

**ABSTRACT**

A low viscosity polyisocyanate composition containing at least one isocyanate dimer having a uretidinedione unit is prepared from a reaction medium containing at least one isocyanate monomer in which the isocyanate groups are borne by  $sp^3$  carbon atoms. The reaction medium is heated, in the absence of a dimerization catalyst, to a temperature of at least 50°C and not more than 200°C for a period of not more than 24 hours.